

# Lukasz Krych

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

3,586  
citations

147726

31  
h-index

149623

56  
g-index

90  
all docs

90  
docs citations

90  
times ranked

5556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early life treatment with vancomycin propagates <i>Akkermansia muciniphila</i> and reduces diabetes incidence in the NOD mouse. <i>Diabetologia</i> , 2012, 55, 2285-2294.	2.9	441
2	Gut Microbiota Composition Is Correlated to Grid Floor Induced Stress and Behavior in the BALB/c Mouse. <i>PLoS ONE</i> , 2012, 7, e46231.	1.1	254
3	Quantitatively Different, yet Qualitatively Alike: A Meta-Analysis of the Mouse Core Gut Microbiome with a View towards the Human Gut Microbiome. <i>PLoS ONE</i> , 2013, 8, e62578.	1.1	182
4	Potential of Pectins to Beneficially Modulate the Gut Microbiota Depends on Their Structural Properties. <i>Frontiers in Microbiology</i> , 2019, 10, 223.	1.5	171
5	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). <i>Scientific Reports</i> , 2018, 8, 4318.	1.6	125
6	A Possible Link between Food and Mood: Dietary Impact on Gut Microbiota and Behavior in BALB/c Mice. <i>PLoS ONE</i> , 2014, 9, e103398.	1.1	124
7	Gut microbial markers are associated with diabetes onset, regulatory imbalance, and IFN- $\gamma$ level in NOD Mice. <i>Gut Microbes</i> , 2015, 6, 101-109.	4.3	122
8	A Maternal Gluten-Free Diet Reduces Inflammation and Diabetes Incidence in the Offspring of NOD Mice. <i>Diabetes</i> , 2014, 63, 2821-2832.	0.3	93
9	Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2019, 149, 2174-2181.	1.3	86
10	A polyphenol-enriched diet and <i>Ascaris suum</i> infection modulate mucosal immune responses and gut microbiota composition in pigs. <i>PLoS ONE</i> , 2017, 12, e0186546.	1.1	82
11	Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. <i>Journal of Microbiological Methods</i> , 2018, 144, 1-7.	0.7	81
12	Early gradual feeding with bovine colostrum improves gut function and NEC resistance relative to infant formula in preterm pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G310-G323.	1.6	80
13	Mode of Delivery Shapes Gut Colonization Pattern and Modulates Regulatory Immunity in Mice. <i>Journal of Immunology</i> , 2014, 193, 1213-1222.	0.4	76
14	Characterization of the gut microbiota in leptin deficient obese mice – Correlation to inflammatory and diabetic parameters. <i>Research in Veterinary Science</i> , 2014, 96, 241-250.	0.9	75
15	Impact of the gut microbiota on rodent models of human disease. <i>World Journal of Gastroenterology</i> , 2014, 20, 17727-17736.	1.4	69
16	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. <i>FEBS Letters</i> , 2014, 588, 4234-4243.	1.3	66
17	Prebiotic Effect of Lycopene and Dark Chocolate on Gut Microbiome with Systemic Changes in Liver Metabolism, Skeletal Muscles and Skin in Moderately Obese Persons. <i>BioMed Research International</i> , 2019, 2019, 1-15.	0.9	60
18	Investigating the long-term effect of subchronic phencyclidine-treatment on novel object recognition and the association between the gut microbiota and behavior in the animal model of schizophrenia. <i>Physiology and Behavior</i> , 2015, 141, 32-39.	1.0	56

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19	Lacto-fermented sauerkraut improves symptoms in IBS patients independent of product pasteurisation – a pilot study. <i>Food and Function</i> , 2018, 9, 5323-5335.	2.1	56
20	Sensitivity to oxazolone induced dermatitis is transferable with gut microbiota in mice. <i>Scientific Reports</i> , 2017, 7, 44385.	1.6	52
21	Introducing enteral feeding induces intestinal subclinical inflammation and respective chromatin changes in preterm pigs. <i>Epigenomics</i> , 2015, 7, 553-565.	1.0	51
22	Linking cocoa varieties and microbial diversity of Nicaraguan fine cocoa bean fermentations and their impact on final cocoa quality appreciation. <i>International Journal of Food Microbiology</i> , 2019, 304, 106-118.	2.1	49
23	Gut microbiota regulates NKG2D ligand expression on intestinal epithelial cells. <i>European Journal of Immunology</i> , 2013, 43, 447-457.	1.6	47
24	Whole-Grain Rye and Wheat Affect Some Markers of Gut Health without Altering the Fecal Microbiota in Healthy Overweight Adults: A 6-Week Randomized Trial. <i>Journal of Nutrition</i> , 2017, 147, 2067-2075.	1.3	46
25	Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs. <i>Veterinary Immunology and Immunopathology</i> , 2017, 189, 43-52.	0.5	46
26	Cheese brines from Danish dairies reveal a complex microbiota comprising several halotolerant bacteria and yeasts. <i>International Journal of Food Microbiology</i> , 2018, 285, 173-187.	2.1	43
27	Targeting gut microbiota and barrier function with prebiotics to alleviate autoimmune manifestations in NOD mice. <i>Diabetologia</i> , 2019, 62, 1689-1700.	2.9	43
28	C57BL/6J substrain differences in response to high-fat diet intervention. <i>Scientific Reports</i> , 2020, 10, 14052.	1.6	41
29	Physical fitness in community-dwelling older adults is linked to dietary intake, gut microbiota, and metabolomic signatures. <i>Aging Cell</i> , 2020, 19, e13105.	3.0	41
30	Synbiotic <i>Lactobacillus acidophilus</i> NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial. <i>FEMS Microbiology Ecology</i> , 2014, 90, 225-236.	1.3	40
31	Phytase-producing capacity of yeasts isolated from traditional African fermented food products and PHYPk gene expression of <i>Pichia kudriavzevii</i> strains. <i>International Journal of Food Microbiology</i> , 2015, 205, 81-89.	2.1	37
32	Cesarean Section Induces Microbiota-Regulated Immune Disturbances in C57BL/6 Mice. <i>Journal of Immunology</i> , 2019, 202, 142-150.	0.4	34
33	Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: The impact of the gut microbiota. <i>International Journal of Cancer</i> , 2020, 147, 1953-1962.	2.3	32
34	Fermentation of African kale ( <i>Brassica carinata</i> ) using <i>L. plantarum</i> BFE 5092 and <i>L. fermentum</i> BFE 6620 starter strains. <i>International Journal of Food Microbiology</i> , 2016, 238, 103-112.	2.1	30
35	Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. <i>Scientific Reports</i> , 2018, 8, 5416.	1.6	30
36	Restitution of gut microbiota in Ugandan children administered with probiotics ( <i>Lactobacillus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 severe acute malnutrition. <i>Gut Microbes</i> , 2020, 11, 855-867.	4.3	30

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37	A Review of Applied Aspects of Dealing with Gut Microbiota Impact on Rodent Models. <i>ILAR Journal</i> , 2015, 56, 250-264.	1.8	28
38	Impact of Early Exposure to Cefuroxime on the Composition of the Gut Microbiota in Infants Following Cesarean Delivery. <i>Journal of Pediatrics</i> , 2019, 210, 99-105.e2.	0.9	27
39	Minimal short-term effect of dietary 2'-fucosyllactose on bacterial colonisation, intestinal function and necrotising enterocolitis in preterm pigs. <i>British Journal of Nutrition</i> , 2016, 116, 834-841.	1.2	26
40	The effect of early probiotic exposure on the preterm infant gut microbiome development. <i>Gut Microbes</i> , 2021, 13, 1951113.	4.3	26
41	A high-throughput qPCR system for simultaneous quantitative detection of dairy <i>Lactococcus lactis</i> and <i>Leuconostoc</i> bacteriophages. <i>PLoS ONE</i> , 2017, 12, e0174223.	1.1	26
42	Effect of potato fiber on survival of <i>Lactobacillus</i> species at simulated gastric conditions and composition of the gut microbiota in vitro. <i>Food Research International</i> , 2019, 125, 108644.	2.9	25
43	TL1A regulates TCR $\alpha$ intraepithelial lymphocytes and gut microbial composition. <i>European Journal of Immunology</i> , 2015, 45, 865-875.	1.6	23
44	Metagenomic Analysis of Dairy Bacteriophages: Extraction Method and Pilot Study on Whey Samples Derived from Using Undefined and Defined Mesophilic Starter Cultures. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	23
45	Dietary Inulin and <i>Trichuris suis</i> Infection Promote Beneficial Bacteria Throughout the Porcine Gut. <i>Frontiers in Microbiology</i> , 2020, 11, 312.	1.5	22
46	Fermentable Dietary Fiber Promotes Helminth Infection and Exacerbates Host Inflammatory Responses. <i>Journal of Immunology</i> , 2020, 204, 3042-3055.	0.4	21
47	Treatment with a Monoclonal Anti-IL-12p40 Antibody Induces Substantial Gut Microbiota Changes in an Experimental Colitis Model. <i>Gastroenterology Research and Practice</i> , 2016, 2016, 1-12.	0.7	20
48	Provision of Amniotic Fluid During Parenteral Nutrition Increases Weight Gain With Limited Effects on Gut Structure, Function, Immunity, and Microbiology in Newborn Preterm Pigs. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016, 40, 552-566.	1.3	20
49	Dietary prebiotics promote intestinal <i>Prevotella</i> in association with a low-responding phenotype in a murine oxazolone-induced model of atopic dermatitis. <i>Scientific Reports</i> , 2020, 10, 21204.	1.6	17
50	Impact of Dietary Supplementation of Lactic Acid Bacteria Fermented Rapeseed with or without Macroalgae on Performance and Health of Piglets Following Omission of Medicinal Zinc from Weaner Diets. <i>Animals</i> , 2020, 10, 137.	1.0	17
51	The effect of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> L. casei W8 <sup>Å</sup> on blood levels of triacylglycerol is independent of colonisation. <i>Beneficial Microbes</i> , 2015, 6, 263-269.	1.0	16
52	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 85.	2.1	16
53	Oral LPS Dosing Induces Local Immunological Changes in the Pancreatic Lymph Nodes in Mice. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-9.	1.0	15
54	Colonization of <i>Cutibacterium avidum</i> during infant gut microbiota establishment. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	15

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55	Cesarean section increases sensitivity to oxazolone-induced colitis in C57BL/6 mice. <i>Mucosal Immunology</i> , 2019, 12, 1348-1357.	2.7	14
56	Immunological effects of reduced mucosal integrity in the early life of BALB/c mice. <i>PLoS ONE</i> , 2017, 12, e0176662.	1.1	14
57	Effect of the dietary polyacetylenes faltarinol and faltarindiol on the gut microbiota composition in a rat model of colorectal cancer. <i>BMC Research Notes</i> , 2018, 11, 411.	0.6	12
58	Gut microbiota recovery and immune response in ampicillin-treated mice. <i>Research in Veterinary Science</i> , 2018, 118, 357-364.	0.9	10
59	The phytonutrient cinnamaldehyde limits intestinal inflammation and enteric parasite infection. <i>Journal of Nutritional Biochemistry</i> , 2022, 100, 108887.	1.9	10
60	Gluten-free diet reduces autoimmune diabetes mellitus in mice across multiple generations in a microbiota-independent manner. <i>Journal of Autoimmunity</i> , 2022, 127, 102795.	3.0	9
61	Selective inbreeding does not increase gut microbiota similarity in BALB/c mice. <i>Laboratory Animals</i> , 2012, 46, 335-337.	0.5	8
62	TL1A Aggravates Cytokine-Induced Acute Gut Inflammation and Potentiates Infiltration of Intraepithelial Natural Killer Cells in Mice. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 510-523.	0.9	8
63	A Humanized Diet Profile May Facilitate Colonization and Immune Stimulation in Human Microbiota-Colonized Mice. <i>Frontiers in Microbiology</i> , 2020, 11, 1336.	1.5	8
64	Delayed Gut Colonization Shapes Future Allergic Responses in a Murine Model of Atopic Dermatitis. <i>Frontiers in Immunology</i> , 2021, 12, 650621.	2.2	8
65	Changes in Gut Microbiota Prior to Influenza A Virus Infection Do Not Affect Immune Responses in Pups or Juvenile Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 319.	1.8	7
66	DNA enrichment and tagmentation method for species-level identification and strain-level differentiation using ON-rep-seq. <i>Communications Biology</i> , 2019, 2, 369.	2.0	7
67	Bacterial species to be considered in quality assurance of mice and rats. <i>Laboratory Animals</i> , 2019, 53, 281-291.	0.5	7
68	Severe gut microbiota dysbiosis caused by malnourishment can be partly restored during 3 weeks of refeeding with fortified corn-soy-blend in a piglet model of childhood malnutrition. <i>BMC Microbiology</i> , 2019, 19, 277.	1.3	7
69	The Gut Microbiome and Abiotic Factors as Potential Determinants of Postprandial Glucose Responses: A Single-Arm Meal Study. <i>Frontiers in Nutrition</i> , 2020, 7, 594850.	1.6	7
70	An Oligosaccharide Rich Diet Increases <i>Akkermansia</i> spp. Bacteria in the Equine Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 666039.	1.5	7
71	Parasite-Probiotic Interactions in the Gut: <i>Bacillus</i> sp. and <i>Enterococcus faecium</i> Regulate Type-2 Inflammatory Responses and Modify the Gut Microbiota of Pigs During Helminth Infection. <i>Frontiers in Immunology</i> , 2021, 12, 793260.	2.2	7
72	Dietary proanthocyanidins promote localized antioxidant responses in porcine pulmonary and gastrointestinal tissues during <i>Ascaris suum</i> -induced type 2 inflammation. <i>FASEB Journal</i> , 2022, 36, e22256.	0.2	7

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73	Preterm Birth Has Effects on Gut Colonization in Piglets Within the First 4 Weeks of Life. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 68, 727-733.	0.9	6
74	Effects of delivery mode on behavior in mouse offspring. <i>Physiology and Behavior</i> , 2021, 230, 113285.	1.0	6
75	Oral insulin does not alter gut microbiota composition of NOD mice. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e3010.	1.7	5
76	Gut colonization in preterm infants supplemented with bovine colostrum in the first week of life: An explorative pilot study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2022, 46, 592-599.	1.3	5
77	Histamine-forming ability of <i>Lentilactobacillus parabuchneri</i> in reduced salt Cheddar cheese. <i>Food Microbiology</i> , 2021, 98, 103789.	2.1	5
78	ONa€repâ€seq as a rapid and costâ€effective alternative to wholeâ€genome sequencing for speciesâ€level identification and strainâ€level discrimination of <i>Listeria monocytogenes</i> contamination in a salmon processing plant. <i>MicrobiologyOpen</i> , 2021, 10, e1246.	1.2	5
79	Postnatal Administration of <i>Lactobacillus rhamnosus</i> HN001 Ameliorates Perinatal Broadâ€Spectrum Antibioticâ€Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800510.	1.5	3
80	Effect of Early-life Gut Mucosal Compromise on Disease Progression in NOD Mice. <i>Comparative Medicine</i> , 2017, 67, 388-399.	0.4	3
81	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination. <i>PLoS ONE</i> , 2022, 17, e0266719.	1.1	3
82	IDDF2020-ABS-0174â€..Onset of hypertriglyceridemia in relation to dietary intake, gut microbiome and metabolomics signatures among home dwelling elderly. , 2020, , .		2
83	Colonic Lesions, Cytokine Profiles, and Gut Microbiota in Plasminogen-Deficient Mice. <i>Comparative Medicine</i> , 2015, 65, 382-97.	0.4	0